

REMARKS

The office action dated May 22, 2007 has been received and noted. Claims 1-12 were examined. Claims 1-5 and 9-12 were rejected. Claims 6-8 were objected to. Claims 1 and 2 are amended and claims 3-4 and 6 are canceled. Support for the amendments can be found in, for example, page 6, line 19 of the Application. As such, no new matter has been added. Claims 13-14 remain withdrawn. Claims 1-2, 5, and 7-14 remain in the Application. Reconsideration of the pending claims is requested in view of the above-amendments and following remarks.

I. Claims Rejected Under 35 U.S.C. § 112

Claims 2-4 were rejected under 35 U.S.C. § 112, second paragraph, as, according to the Examiner, being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claims 3-4 are cancelled. Claim 2 has been rewritten in proper Markush form, i.e., “wherein R is A, B, C, or D.” MPEP § 2173.05(h)(II). Accordingly, Applicants respectfully request withdrawal of this rejection.

II. Claims Rejected Under 35 U.S.C. § 102

A. Claims Rejected as Anticipated by *Ahn*

Claims 1-4 and 9-12 were rejected under 35 U.S.C. § 102(b) as being anticipated by Korean Patent No. 2001-055968 (abstract) to Ahn et al. (“*Ahn*”). A claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference. MPEP § 2131. Applicants respectfully submit that each and every element, either expressly or inherently, in amended claim 1 and its respective dependent claims is not set forth in the cited references.

Amended independent claim 1 includes the limitation of “the second porous polymer film comprising an inorganic material.” (App., claim 1.) Representatively, the inorganic material can be one of silica, talc, alumina (Al₂O₃), γ-LiAlO₂, TiO₂, or zeolite. By contrast, *Anh* discloses a multilayered polymeric film comprising a porous first polymer layer and a gelled second polymer layer of polyvinylidene fluoridechlorotrifluoroethylene. (*Anh*, Abstract.) Because the second polymer in *Anh* can only be organic, *Anh* fails to disclose a “second porous polymer film

comprising an inorganic material.” (*See App.*, claim 1.) Accordingly, Applicants respectfully submit that independent claim 1 and its respective dependent claims are allowable over the cited references.

B. Claims Rejected as Anticipated by *Segawa*

Claims 1-5 and 9-12 were rejected under 35 U.S.C. § 102(b) as being anticipated by Japanese Patent No. 2003-157898 (abstract) to Segawa (“*Segawa*”). Amended independent claim 1 includes the limitation of “the second porous polymer film comprising an inorganic material.” (*App.*, claim 1.) Representatively, the inorganic material can be one of silica, talc, alumina (Al_2O_3), γ - LiAlO_2 , TiO_2 , or zeolite. By contrast, *Segawa* discloses a battery comprising an anode and/or cathode containing porous polymer electrolyte and a second porous polymer electrolyte layer wherein the polymer electrolyte comprises a layer of PVDF and a layer of PVDF-HFP. (*Segawa*, ¶ [0049].) Because PVDF and PVDF-HFP are organic, *Segawa* fails to disclose a “second porous polymer film comprising an inorganic material.” (*See App.*, claim 1.) Accordingly, Applicants respectfully submit that independent claim 1 and its respective dependent claims are allowable over the cited references.

III. Allowable Subject Matter

Applicants respectfully acknowledge the Examiner’s indication that claims 6-8 would be allowable if rewritten in independent form including all the limitations of the base claim and any intervening claims. Amended claim 1 is formerly-dependent claim 6 (now cancelled) rewritten in independent form. In view thereof, Applicants respectfully submit that all pending claims are in condition for allowance.

CONCLUSION

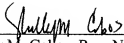
In view of the foregoing, it is believed that all claims now pending patentably define the subject invention over the prior art of record, and are in condition for allowance and such action is earnestly solicited at the earliest possible date. If the Examiner believes that a telephone conference would be useful in moving the application forward to allowance, the Examiner is encouraged to contact the undersigned at (310) 500-4787.

Respectfully submitted,

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CERTIFICATE OF TRANSMISSION

I hereby certify that this correspondence is being submitted electronically via EFS Web to the United States Patent and Trademark Office on August 15, 2007.

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